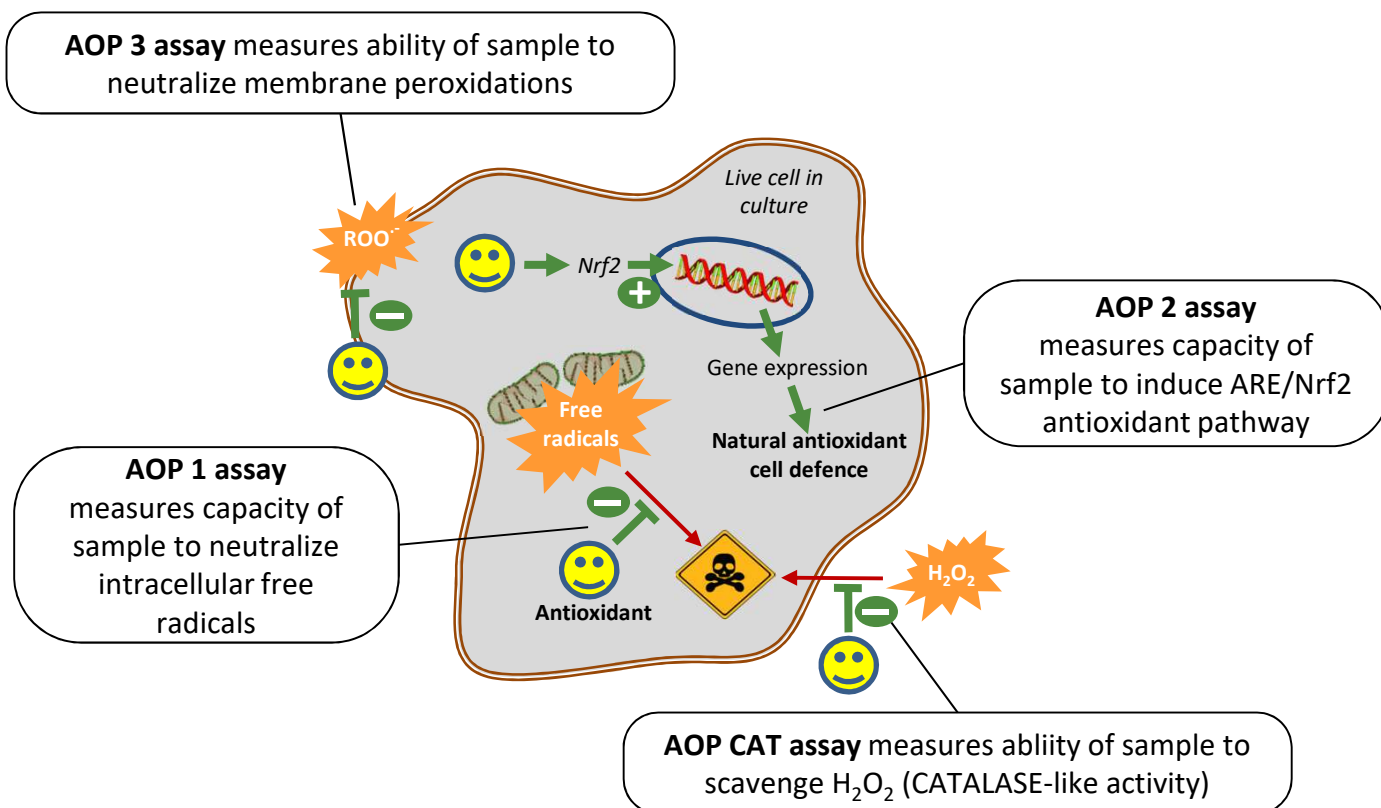


AOP cell-based assays for antioxidant claims



All studies include:

- full report (raw data, standard cell parameters, data analysis)
- dose-effect curves
- efficacy concentrations (EC_{50} , EC_{10} , EC_{90})
- comparison with standard antioxidant(s)

Assay: AOP 2

Cell model: human keratinocytes HaCaT

Sample: sulforaphan (1-isothiocyanato-4-methylsulfinylbutane)

MW = 177.29 g/mol

EC_{50} = 14.4 μ M (2.55 μ g/mL)

EC_{90} = 37.1 μ M (6.57 μ g/mL)

EC_{10} = 5.6 μ M (0.99 μ g/mL)

Fold Increase (gene expression) :

FI_{50} = 4.47 ; FI_{10} = 1.94 ; FI_{90} = 7.02

